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widely used and cited atlas of the mouse brain in print. It emulates in design and accuracy Paxinos and Watson's The Rat Brain in Stereotaxic Coordinates, the most cited publication in neuroscience. The compact edition provides the coronal plates and diagrams of the full mouse atlas in a smaller, more convenient spiral format

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views of the brain with labels over the

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major structures Uses the best ontology tree (nomenclature based on the development of the brain) with universal applications across mammals Using the most well-studied behavioral analyses of animal subjects to promote a better understanding of the effects of disease and the effects of new therapeutic

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treatments on human cognition, Methods of Behavior Analysis in Neuroscience provides a reference manual for molecular and cellular research scientists in both academia and the pharmaceutical. This textbook describes the basic neuroanatomy of the laboratory mouse. The reader will be guided through the

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anatomy of the mouse nervous system with the help of abundant microphotographs and schemata. Learning objectives and summaries of key facts at the beginning of each chapter provide the reader with an overview on the most important information. As transgenic mice are one of the most widely used paradigms when it

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comes to modeling human diseases, a basic understanding of the neuroanatomy of the mouse is of considerable value for all students and researchers in the neurosciences and pharmacy, but also in human and veterinary medicine.

Accordingly, the authors have included, whenever possible, comparisons of the

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murine and the human nervous system. The book is intended as a guide for all those who are about to embark on the structural, histochemical and functional phenotyping of the mouse's central nervous system. It can serve as a practical handbook for students and early researchers, and as a reference book for

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Features in the Bioengineering of the Gas
Exchangers: Comparative Perspectives

The authors encompass a
broad background, from
biophysics and
electrophysiology to
psychophysics, neurology,

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and computational vision.
However, all the chapters
focus on a common issue:
the role of the primate
(including human) cerebral
cortex in memory, visual
perception, focal attention,

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and awareness. Large-Scale
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Brain brings together
thirteen original
contributions by some of the
top scientists working in
neuroscience today. It

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presents models and
theories that will most likely
shape and influence the way
we think about the brain,
the mind, and interactions
between the two in the years
to come. Chapters consider

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global theories of the brain
from the bottom
up--providing theories that
are based on real nerve
cells, their firing properties,
and their anatomical
connections. This contrasts

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with attempts that have
been made by psychologists
and by theorists in the
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community to understand
the brain strictly from a
psychological or

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computational point of view.

The authors encompass a
broad background, from
biophysics and
electrophysiology to
psychophysics, neurology,
and computational vision.

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However, all the chapters focus on a common issue: the role of the primate (including human) cerebral cortex in memory, visual perception, focal attention, and awareness. Contributors

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Horace Barlow. Patricia
Churchland, V. S.
Ramachandran, and
Terrence J. Sejnowski.
Antonio R. Damasio and
Hanna Damasio. Robert
Desimone, Earl K. Miller,

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and Leonardo Chelazzi.

Christof Koch and Francis
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Tomaso Poggio and Anya
Hurlbert. Michael I. Posner
and Mary K. Rothbart. Wolf

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Singer. Charles F. Stevens.
Shimon Ullman. David C.
Van Essen, Charles W.
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Olshausen
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treatment and
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afflicted with
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new technologies/therapies
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*afflicted with
neurological disorders.
This society promotes the
public welfare and
improves patient care
through the translation of
new technologies/therapies*

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*into life saving
diagnostic and therapeutic
procedures. The Society is
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boundaries of science,
technology, medicine, art
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structures. Researchers*

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mouse preparations in
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depicted in sigittal,
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how comparative biology
helped clarify the meaning
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*Indeed, without the
comparative approach to
biology, the birth of
physiology would have been
delayed. Fishman (1979)
Comparative morphologists*

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*are challenged to discern
the changes that have
occurred in evolution and
development of the forms
and states of organisms as
well as to explain the
factors that compelled*

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*them (e.g. Dullemeijer
1974). The main objective
of this contribution is to
present what I deem to be
some of the fundamental
structural aspects in the
design of respiratory or*

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*gans while debating and
speculating on when, how
and why these states were
founded. My main thesis is
that the modern gas
exchangers are products of
protracted processes that*

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*have en tailed adaptation
to specific environments
and lifestyles. Only those
feasible designs that have
proven adequately
competent in meeting
demands for molecular*

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*oxygen have been
preserved. Unfortunately,
August Krogh's (Krogh
1941) and Pierre Dejours'
(Dejours 1975) seminal
works on the comparative
physiology of the*

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respiratory organs have not been paralleled by equally extensive and detailed morphological work. Our approach has been to look into the limiting functional

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*properties as regards the
respiratory capacities of
gas exchangers while
finding out the specific
structural adaptations
that have evolved to meet
the metabolic needs or to*

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*look into form and to
discern how it limits
function. This has allowed
a deduction of structure-
function correlation.*

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Sexual Behavior explores the
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comprehensive guide has a
consistent, single-author voice
and focuses on the content
most relevant to clinical and
pre-clinical students. The
detailed but lucid text is*

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complemented by didactic illustrations that summarize key concepts in physiology and pathophysiology. Emphasizes core information around how the body must maintain homeostasis in order to remain

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histochemical atlases of the rat
brain & extrapolate from rat
data, a strategy which is not
very accurate & often
unsuccessful. This atlas
collects systematic images of*

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*Chemoarchitectonic Atlas of
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Increasing interest in the study of coordinated activity of brain cell ensembles reflects the current conceptualization of brain information processing and cognition. It is thought that cognitive processes involve not only

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serial stages of sensory signal processing, but also massive parallel information processing circuitries, and therefore it is the coordinated activity of neuronal networks of brains that give rise to cognition and consciousness in general. While the concepts and techniques to measure synchronization are relatively

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well characterized and developed in the mathematics and physics community, the measurement of coordinated activity derived from brain signals is not a trivial task, and is currently a subject of debate. Coordinated Activity in the Brain: Measurements and Relevance to Brain Function and Behavior addresses

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conceptual and methodological limitations, as well as advantages, in the assessment of cellular coordinated activity from neurophysiological recordings. The book offers a broad overview of the field for investigators working in a variety of disciplines (neuroscience, biophysics, mathematics,

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physics, neurology, neurosurgery, psychology, biomedical engineering, computer science/computational biology), and introduces future trends for understanding brain activity and its relation to cognition and pathologies. This work will be valuable to professional investigators and clinicians, graduate

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and post-graduate students in related fields of neuroscience and biophysics, and to anyone interested in signal analysis techniques for studying brain function.

The complement to The Rat Brain in Stereotaxic Coordinates,
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Brain, Third Edition, features a single brain series of high-quality plates stained with eight different markers, extensively annotated and labelled throughout. Plates from the previous edition of Chemoarchitectonic Atlas of the Rat Brain have been re-scanned at high resolution and are shown in color.

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Labeled structures have been revised, corrected, and updated, providing users with a streamlined, up-to-date, and highly accurate compendium of chemical markers. Researchers with a need to understand the detailed organization of the rat brain as well as structure/function relationships will need this atlas and its

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array of stains. Provides an archive of chemical markers in the rat brain used in many areas of research Discusses primary data to help researchers identify structures in their own preparations from neuroanatomical, physiological, neuropharmacological, and gene expression studies Accompanies the gold

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standard reference on the neuroanatomy of the nervous system of the most important model animal in neuroscience and experimental psychology Covers both the rat forebrain and the rat brainstem Thoroughly revised identification of structures following the new data from The Rat Brain in Stereotaxic Coordinates

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7th edition and the Chick Brain in
Stereotaxic Coordinates 2nd edition
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version, compatible with PC, Mac, and
most mobile devices and eReaders, which
allows readers to browse, search, and
interact with content

The preceding editions made The Rat

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Brain in Stereotaxic Coordinates the second most cited book in science. This Fifth Edition is the result of years of research providing the user with the drawings of the completely new set of coronal sections, now from one rat, and with significantly improved resolution by adding a third additional section level as

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compared to earlier editions. Numerous new nuclei and structures also have been identified. The drawings are presented in two color, providing a much better contrast for use. The Fifth Edition continues the legacy of this major neuroscience publication and is a guide for all students and scientists who study

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the rat brain. 161 coronal diagrams based on a single brain. Delineations drawn entirely new from a new set of sections. Diagrams spaced at constant 120 μ m intervals resulting in the high resolution and convenience of use. Drawings use blue color lines and black labels to facilitate extraction of

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information. The stereotaxic grid was derived using the same techniques that produced the widely praised stereotaxic grid of the previous editions. Over 1000 structures identified, a number for the first time in this edition.

A comprehensive review of contemporary antisense oligonucleotides drugs and

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therapeutic principles, methods, applications, and research
Oligonucleotide-based drugs, in particular antisense oligonucleotides, are part of a growing number of pharmaceutical and biotech programs progressing to treat a wide range of indications including cancer,

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cardiovascular, neurodegenerative, neuromuscular, and respiratory diseases, as well as other severe and rare diseases. Reviewing fundamentals and offering guidelines for drug discovery and development, this book is a practical guide covering all key aspects of this increasingly popular area of

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pharmacology and biotech and pharma research, from the basic science behind antisense oligonucleotides chemistry, toxicology, manufacturing, to safety assessments, the design of therapeutic protocols, to clinical experience. Antisense oligonucleotides are single strands of DNA or RNA that are

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complementary to a chosen sequence. While the idea of antisense oligonucleotides to target single genes dates back to the 1970's, most advances have taken place in recent years. The increasing number of antisense oligonucleotide programs in clinical development is a testament to the

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progress and understanding of pharmacologic, pharmacokinetic, and toxicologic properties as well as improvement in the delivery of oligonucleotides. This valuable book reviews the fundamentals of oligonucleotides, with a focus on antisense oligonucleotide drugs, and

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reports on the latest research underway worldwide. • Helps readers understand antisense molecules and their targets, biochemistry, and toxicity mechanisms, roles in disease, and applications for safety and therapeutics • Examines the principles, practices, and tools for scientists in both pre-clinical and clinical

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settings and how to apply them to antisense oligonucleotides • Provides guidelines for scientists in drug design and discovery to help improve efficiency, assessment, and the success of drug candidates • Includes interdisciplinary perspectives, from academia, industry, regulatory and from the fields of

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pharmacology, toxicology, biology, and medicinal chemistry Oligonucleotide-Based Drugs and Therapeutics belongs on the reference shelves of chemists, pharmaceutical scientists, chemical biologists, toxicologists and other scientists working in the pharmaceutical and biotechnology industries. It will also

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be a valuable resource for regulatory specialists and safety assessment professionals and an important reference for academic researchers and post-graduates interested in therapeutics, antisense therapy, and oligonucleotides. Methods of Behavior Analysis in Neuroscience

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Chemoarchitectonic Atlas of the Mouse
Brain

An Atlas Featuring Neuromeric
Subdivisions and Mammalian
Homologies

A Practical Guide

Structure of the Rat Brain : a Laboratory
Guide with Printed and Electronic

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Templates for Data, Models, and
Schematics

A Mouse and Human Atlas

Atlas of the Developing Mouse Brain,
Second Edition builds on the features of
successful first edition, providing a
comprehensive and convenient reference
for all areas of the mouse brain at Fetal-

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Day 17.5 (E17.5), Day-of-Birth (P0), and Day-Six postnatal (P6). The book also delineates the parts of the eye, features of the skull, ganglia, nerves, arteries, veins, bones and foramina. This atlas is an essential tool for researchers and students who study the development of the mouse brain, or for those who interpret findings

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from genetic manipulation. Contains 176 high-resolution color scans of Nissl-stained coronal sections of the brain and skull of the fetal (E17.5), day-of-birth (P0), and day-six postnatal mouse (P6) Includes diagrams that delineate all structures of the brain, as well as peripheral nerves, ganglia, muscles,

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bones, veins and arteries of the head
Presents approximately 5000 corrections
and updates from the first edition Includes
color codes of the veins, arteries, nerves
and ganglions of the skull in diagrams
Morphine and other opioids are potent
analgesic drugs, but their use can lead to
complications. Being familiar with the use

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of this kind of drug can make the difference between obtaining the expected benefit of applied therapy or magnifying the risks to intolerable levels for the patient. Therefore, it is essential for practitioners to achieve adequate training in the management of these drugs based on criteria endorsed by scientific evidence

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that allows the proper use of these drugs and guarantees the best professional practice every time. Written by expert authors in the field, the purpose of this book is to offer an overview of opioid drugs, from their therapeutic use to the consequences associated.

The Mouse Brain in Stereotaxic

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Coordinates, Second Edition has been the acknowledged reference in this field since the publication of the first edition, and is now available in a Compact Edition. This will provide a more affordable option for students, as well as researchers needing an additional lab atlas. This version includes the coronal diagrams delineating

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the entire brain as well as the introductory text from the Deluxe edition. It is an essential reference for anyone studying the mouse brain or related species. * Includes 100 detailed diagrams of the coronal set delineating the entire mouse brain * Compact edition of the most comprehensive and accurate mouse brain

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atlas available * Contains minor updates
and revisions from the full edition

This set can be used for producing and
publishing rat brain illustrations.

Measurements and Relevance to Brain
Function and Behavior

Guide to Research Techniques in
Neuroscience

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Opioids

Functional and Dysfunctional Sexual
Behavior

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Kisspeptin has been shown to

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be both necessary and sufficient for activation of the reproductive axis, during puberty and later in adulthood. This makes kisspeptin a fundamental component of the reproductive axis. Kisspeptin

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has been deemed the single most potent stimulator of GnRH neurons yet known. The importance of kisspeptin has been documented in humans as well as non-human animal models, ranging from monkeys,

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sheep, and rodents to numerous fish species, thus signifying a highly conserved nature of its reproductive function.

Importantly, kisspeptin neurons seem to mediate many of the regulatory effects of other

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signals, whether they are metabolic, circadian, hormonal, or stress. This places kisspeptin neurons in a unique position to be key nodal points and conduits for conveying numerous endogenous and

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*exogenous signals to the
reproductive axis.*

*The Mouse Brain in Stereotaxic
Coordinates is the most widely
used and cited atlas of the
mouse brain in print. It provides
researchers and students with*

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both accurate stereotaxic coordinates for laboratory use, and detailed delineations and indexing of structures for reference. The Compact 3rd edition is both a major revision and an expansion of previous

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compact editions. The 100 high resolution digital photographs of the coronal plane of section from the third full edition now complement the coronal drawings. The photographs of the sections and the

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intermediate sections are also provided on the accompanying CD. In addition, the compact version has a large introduction on stereotaxic surgery and the use of the atlas in the lab, as well as a number of panoramic

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*simplified diagrams for student instruction. The Compact 3rd edition is in 8.5 x 11 format and is spiral bound suitable for positioning next to microscopes and cryotomes. * Delineations of 100 coronal diagrams, as*

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*fully revised for the 3rd edition *
100 coronal photographic plates
produced from directly scanned
very high resolution images of
the biological sections (done at
the Allen Institute) * Beginner's
guide with 25 pages on how to*

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*do stereotaxic surgery, how to use the atlas, including how to match experimental sections against the atlas plates (e.g. what features of the brain change gradually and can be used as guides to location) * 3*

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*sagittal, 5 coronal and 2
horizontal simplified overview
diagrams for students * Surface
views of the brain with labels
over the major structures * Uses
the best ontology tree
(nomenclature based on the*

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*development of the brain) so far
constructed with universal
application across mammals *
CD providing electronic versions
of all diagrams and photographs
in different resolutions for
downloads*

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MRI/DTI Atlas of the Rat Brain offers two major enhancements when compared with earlier attempts to make MRI/DTI rat brain atlases. First, the spatial resolution at 25 μ m is considerably higher than

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previous data published.

Secondly, the comprehensive set of MRI/DTI contrasts provided has enabled the authors to identify more than 80% of structures identified in The Rat Brain in Stereotaxic

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Ninety-six coronal levels from the olfactory bulb to the pyramidal decussation are depicted Delineations primarily made on the basis of direct observations on the MRI contrasts Each of the 96 open

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book pages displays four items— top left, the directionally colored fractional anisotropy image derived from DTI (DTI - FAC); top right, the diffusion-weighted image (DWI); bottom left, the gradient

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recalled echo (GRE); and bottom right, a diagrammatic synthesis of the information derived from these three images plus two additional images, which are not displayed (ARDC and RD). This is repeated for 96 coronal

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*levels, which makes the levels
250 μm apart. The FAC images
are shown in full color The
orientation of sections
corresponds to that in Paxinos
and Watson's The Rat Brain in
Stereotaxic Coordinates, 7th*

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Edition (2014) The images have been obtained from 3D isotropic population averages (number of rats=5). All abbreviations of structure names are identical to the Paxinos & Watson histologic atlas.

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*The present day is witnessing
an explosion of our
understanding of how the brain
works at all levels, in which
complexity is piled on
complexity, and mechanisms of
astonishing elegance are being*

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continually discovered. This process is most developed in the major areas of the brain, such as the cortex, thalamus, and striatum. The Claustrum instead focuses on a small, remote, and, until recently,

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relatively unknown area of the brain. In recent years, researchers have come to believe that the claustrum is concerned with consciousness, a bold hypothesis supported by the claustrum's two-way

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connections with nearly every other region of the brain and its seeming involvement with multisensory integrations—the hallmark of consciousness. The claustrum, previously in a humble position at the back of

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the stage, might in fact be the conductor of the brain's orchestra. The Claustrum brings together leading experts on the claustrum from the varied disciplines of neuroscience, providing a state-of-the-art

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presentation of what is currently known about the claustrum, promising lines of current research (including epigenetics), and projections of new lines of investigation on the horizon. Develops a unifying

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*hypothesis about the
claustrum's role in
consciousness, as well as the
integration of sensory
information and other higher
brain functions. Discusses the
involvement of the claustrum*

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*with autism, schizophrenia,
epilepsy, Alzheimer's disease,
and Parkinson's disease*

*Coverage of all aspects of the
claustrum, from its evolution
and development to promising
new lines of research, including*

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*epigenetics, provides a platform
and point of reference for future
investigative efforts*

An Introduction

Hard Cover Edition

The Hippocampus Book

Neuroscience Databases

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*Guyton and Hall Textbook of
Medical Physiology E-Book
Brain Maps*

Obsessive-compulsive disorder
affects approximately one person
in 40 and causes great suffering.
Effective treatments are

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available that can help many, and our understanding of the psychology, neurobiology, and clinical treatment of the disorder has advanced dramatically over the past 25 years. Nevertheless, much remains to be learned, and

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a substantial minority of patients benefit little even from the best treatments we have to offer today. This volume provides the first comprehensive summary of the state of the field, summarizing topics ranging from

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genetics and neurobiology
through cognitive psychology,
clinical treatment, related
conditions, societal implications,
and personal experiences of
patients and clinicians. This book
is unique in its comprehensive

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coverage that extends far beyond the realm of cognitive-behavioral therapy. As such it will serve as a valuable introduction to those new to the field, a fascinating resource for OCD sufferers and their families,

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and an essential reference for
students, clinicians, and
researchers.

The Mouse Nervous System
provides a comprehensive
account of the central nervous
system of the mouse. The book

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is aimed at molecular biologists who need a book that introduces them to the anatomy of the mouse brain and spinal cord, but also takes them into the relevant details of development and organization of the area they

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have chosen to study. The Mouse Nervous System offers a wealth of new information for experienced anatomists who work on mice. The book serves as a valuable resource for researchers and graduate

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students in neuroscience.

Systematic consideration of the
anatomy and connections of all
regions of the brain and spinal
cord by the authors of the most
cited rodent brain atlases A
major section (12 chapters) on

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functional systems related to motor control, sensation, and behavioral and emotional states
A detailed analysis of gene expression during development of the forebrain by Luis Puelles, the leading researcher in this

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area Full coverage of the role of
gene expression during
development and the new field of
genetic neuroanatomy using site-
specific recombinases Examples
of the use of mouse models in
the study of neurological illness

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This completely revised edition of *The Rat Brain in Stereotaxic Coordinates*, the second most cited book in science, represents a dramatic update from the previous edition. Based on a single rat brain, this edition

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features an entirely new coronal
set of tissue cut in regular 120
micron intervals with
accompanying photographs and
drawings of coronal, horizontal
and sagittal sections of this new
set. The use of the single brain

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allows for greater consistency between sections, while advances in histochemistry techniques provides increased refinement in the definition of brain areas, making this the most accurate and detailed stereotaxic

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rat atlas produced to date. The atlas will also include a CD-ROM featuring all of the graphics and text. Every lab working with the rat as an experimental animal model will want to use this book as their atlas of choice. This

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book is also available in a softcover spiral binding at the same price. * Includes twice as many coronal sections, nissl plates, and sagittal plates as the previous edition * Uses a single rat brain allowing for better

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consistency and better
delineations in the line drawings
of structures * Provides improved
stereotaxic coordinates at a
higher level of detail *
Accompanying CD-ROM
features graphics and text * Now

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available as hardcover version
and softcover version with a
spiral binding at the same price.
The chicken is the standard
model for avian and vertebrate
brain anatomy, particularly in
development. The Chick Brain in

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Stereotaxic Coordinates contains 200 coronal plates and diagrams, 40 sagittal plates and diagrams, and 20 horizontal plates and diagrams, illustrated in stereotaxic coordinates. This book is essential for anyone

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studying the physiology and
function of the chick brain. *

Presents the highest level of
anatomical detail currently
unavailable * Juxtaposes

histology with diagrams for ease
of study * Employs standardized

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use of homologies,
nomenclature, and abbreviation
similar to that in other Elsevier
atlases by George Paxinos
Paxinos and Franklin's the
Mouse Brain in Stereotaxic
Coordinates, Compact

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Chemoarchitectonic Atlas of the
Developing Mouse Brain
The Neurobiology of Parental
Behavior
Structural, Functional, and
Clinical Neuroscience
The Brain

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Coordinated Activity in the Brain
*A Combined MRI and Histology
Atlas of the Rhesus Monkey
Brain in Stereotaxic
Coordinates, Second Edition
maps the detailed
architectonic subdivisions
of the cortical and*

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*subcortical areas in the
macaque monkey brain using
high-resolution magnetic
resonance (MR) images and
the corresponding histology
sections in the same animal.
This edition of the atlas is
unlike anything else*

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available as it includes the detailed cyto- and chemoarchitectonic delineations of the brain areas in all three planes of sections (horizontal, coronal, and sagittal) that are derived from the same

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animal. This is a significant progress because in functional imaging studies, such as fMRI, both the horizontal and sagittal planes of sections are often the preferred planes given that multiple functionally

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active regions can be visualized simultaneously in a single horizontal or sagittal section. This combined MRI and histology atlas is designed to provide an easy-to-use reference for anatomical and physiological

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*studies in macaque monkeys,
and in functional-imaging
studies in human and non-
human primates using fMRI
and PET. The first rhesus
monkey brain atlas with
horizontal, coronal, and
sagittal planes of sections,*

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*derived from the same animal
Shows the first detailed
delineations of the cortical
and subcortical areas in
horizontal, coronal, and
sagittal plane of sections
in the same animal using
different staining methods*

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Horizontal series illustrates the dorsoventral extent of the left hemisphere in 47 horizontal MRI and photomicrographic sections matched with 47 detailed diagrams (Chapter 3) Coronal series presents the full

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*rostr-caudal extent of the
right hemisphere in 76
coronal MRI and
photomicrographic sections,
with 76 corresponding
drawings (Chapter 4)
Sagittal series shows the
complete mediolateral extent*

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of the left hemisphere in 30 sagittal MRI sections, with 30 corresponding drawings (Chapter 5). The sagittal series also illustrates the location of different fiber tracts in the white matter Individual variability -

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provides selected cortical and subcortical areas in three-dimensional MRI (horizontal, coronal, and sagittal MRI planes). For comparison, it also provides similar areas in coronal MRI section in six other

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monkeys. (Chapter 6)

*Vasculature - indicates the
corresponding location of
all major blood vessels in
horizontal, coronal, and
sagittal series of sections
Provides updated information
on the cortical and*

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*subcortical areas, such as
architectonic areas and
nomenclature, with
references, in chapter 2
Provides the stereotaxic grid
derived from the in-vivo MR
image
The hippocampus is one of a*

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group of remarkable structures embedded within the brains medial temporal lobe. Long known to be important for memory, it has been a prime focus of neuroscience research for many years. This volume

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offers an account of what the hippocampus does, and what happens when things go wrong.--[Source inconnue]. Principles of Neurobiology presents the major concepts of neuroscience with an emphasis on how we know what

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we know. The text is organized around a series of key experiments to illustrate how scientific progress is made and helps upper-level undergraduate and graduate students discover the relevant

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*primary literature. Written
by a single author in
In addition to filling a
need within the field of
parental behavior, this book
contributes importantly to
the growing area of
emotional and motivational*

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neuroscience. A major part of neuroscience research at the whole organism level has been focused on cognitive neuroscience, with an emphasis on the neurobiology of learning and memory, but there has been a recent

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upsurge in research which is attempting to define the neural basis of basic motivational and emotional systems which regulate such behaviors as food intake, aggression, reproduction, reward-seeking behaviors,

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and anxiety-related behaviors. In this book the emphasis is on the research findings obtained from rodents, sheep and primates. The authors' goal, of course, was to provide a foundation that may help us

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*understand the neurobiology
of human parental behavior.
Indeed, the last chapter
attempts to integrate the
non-human research data with
some human data in order to
make some inroads toward an
understanding of postpartum*

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*depression, child abuse, and
child neglect. Clearly,
motivational and emotional
neuroscience has close ties
to psychiatry, and this
connection will be very
evident in the final
chapter. By understanding*

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the neurobiology of parental behavior we are also delving into neurobiological factors which may have an impact on core human characteristics involved in sociality, social attachment, nurturing behavior, and love. In this

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*very violent world, it is
hard to conceive of a group
of characteristics that are
more worthy of study.*

*Comparative Anatomy and
Histology*

*The Chick Brain in
Stereotaxic Coordinates*

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*A Combined MRI and Histology
Atlas of the Rhesus Monkey
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Coordinates*

*A Synthesis of Neuroscience
and Comparative Psychology*

The authors of the most cited
neuroscience publication, The Rat

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Brain in Stereotaxic Coordinates, have written this introductory textbook for neuroscience students. The text is clear and concise, and offers an excellent introduction to the essential concepts of neuroscience. Based on

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contemporary neuroscience
research rather than old-style
medical school neuroanatomy
Thorough treatment of motor and
sensory systems A detailed chapter
on human cerebral cortex The
neuroscience of consciousness,

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